

In the Claims:

Please amend claims 53, 56, 59, and 62 as follows:

53. A process for generating electricity utilizing an integral, power generator comprising a compression stage, a turbine stage, and an electricity generation stage, the process comprising the steps of:

- (a) compressing an oxygen-containing gas in the compression stage;
- (b) heating at least some of the compressed gas in a heating stage;
- (c) introducing fuel and the compressed heated gas into an electrochemical converter for oxidizing the fuel therein to produce electricity, said electrochemical converter also producing hot exhaust gas;
- (d) driving the turbine stage with a turbine drive gas comprising electrochemical converter exhaust gas, the turbine stage driving the electricity generation stage and the compression stage, the generation stage generating electricity; and
- (e) withdrawing spent electrochemical converter exhaust gas and introducing the spent gas into the heating stage for heating the compressed oxygen-containing gas.

56. The process of claim 55, wherein said electrochemical converter operates at a higher temperature than does the turbine stage.

59. A system for generating electricity comprising:

- (a) an integral, power generator comprising a compressor, an electricity generator, and a turbine stage, the compressor having a gas inlet for introducing an oxygen-containing gas into the compressor to generate a compressed oxygen-containing gas;
- (b) a heating stage for heating at least some of the compressed oxygen-containing gas;
- (c) a fuel cell for converting a fuel, in the presence of an oxygen source, into electrical energy, the fuel cell having a gas inlet for receiving heated compressed oxygen-containing gas from the heating stage for use in the fuel cell as the oxygen source, the fuel cell also producing a hot exhaust gas; and

